

CLAIMS

1. Cooking device characterised in that it comprises a body which carries a bowl with electrical heating means and containing a basket for containing food to be cooked, said basket being connected to drive means suitable for moving it between a position inside said bowl and a position at least partially outside of it, said device also comprising a first sensor of the temperature of at least a portion of said bowl and a timer connected to means for controlling said drive means, for moving said basket, in relation to signals that said control means receives from said temperature sensor and from said timer.
2. Cooking device according to claim 1, characterised in that it comprises means for stirring said food contained inside said basket and connected to said control means.
3. Cooking device according to one or more of the previous claims, characterised in that said stirring means comprises an element rotatably connected to said basket and removably connected to a drive group which protrudes from said body and is connected to a first motor.
4. Cooking device according to one or more of the previous claims, characterised in that said rotatable element comprises a substantially conical disc, with a widened central portion rotatably connected in a through-seat realised on the base of said basket, said widened central portion defining a seat suitable for receiving said drive group.

5. Cooking device according to one or more of the previous claims, characterised in that said rotatable element comprises a shaft which has a central portion rotatably connected in a through-seat realised on the base of said basket, said central portion defining a seat suitable for receiving a portion of said drive group.

6. Cooking device according to one or more of the previous claims, characterised in that said drive means comprises a support for said basket which has a rack operatively connected to a pinion which can be actuated through a second motor, said second motor being connected to said control means.

7. Cooking device according to one or more of the previous claims, characterised in that it comprises at least one second sensor suitable for detecting the position of said basket.

8. Cooking device according to one or more of the previous claims, characterised in that said bowl is removably connected to said body.

9. Cooking device according to one or more of the previous claims, characterised in that it comprises at least one third sensor of the presence of said bowl.

10. Cooking device according to one or more of the previous claims, characterised in that it comprises a closing cover applied on said basket.

11. Cooking device according to one or more of the previous claims, characterised in that said cover comprises at least

one anti-foam door, free to oscillate from an open position to a closed position and vice-versa when the pressure inside said bowl exceeds a predetermined value.

12. Cooking device according to one or more of the previous claims, characterised in that said cover has a hole in which a container is housed suspended in said basket.

13. Cooking device according to one or more of the previous claims, characterised in that said control means and said drive means are of the electromechanical type.

14. Cooking device according to one or more of the previous claims, characterised in that said control means comprises a timer operatively connected to one or more microswitches.

15. Cooking device according to one or more of the previous claims, characterised in that it comprises anti-rotation means for the pasta.

16. Cooking device according to one or more of the previous claims, characterised in that said anti-rotation means comprises a fixed anti-rotation element connected to a fixed part of the device and inserted into said basket and said bowl.

17. Cooking device according to one or more of the previous claims, characterised in that said fixed anti-rotation element has an end placed between trajectories of said paddles.

18. Cooking device according to one or more of the previous claims, characterised in that said fixed element has a portion connected above said support.

19. Cooking device according to one or more of the previous claims, characterised in that said drive group comprises a pin guide slidably connected to said basket and with a hole and a threaded lower portion, in said hole being inserted a pin with a blade suitable for connecting to a connection element of said first motor.

20. Cooking device according to one or more of the previous claims, characterised in that said connection element comprises a disc which has a plurality of protruding pins and a hole in which a drive shaft of said first motor is slidably inserted, where a spring, which allows gaps to be closed, is placed between the casing of said first motor and said disc.

21. Procedure for cooking through a device according to claim 1, characterised in that said heating means heats the water contained in the bowl taking it up to a predetermined temperature, at which point the first sensor detects that such a predetermined temperature has been reached and the basket is plunged into said water and, at the same time, the timer is started for a preset time period, at the end of which the control means deactivates the heating means and commands the removal of the basket from said bowl.

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22. Procedure according to the previous claim, characterised in that after a predetermined period of time from the lowering of the basket into the bowl the stirring means is actuated.

23. Procedure according to one or more of claims 19 and thereafter, characterised in that said heating means is

activated discontinuously, so as to partialise the power, to decrease the turbulence of the water and to reduce the production of foam.

24. Procedure according to one or more of claims 19 and thereafter, characterised in that when the pasta is cooked at a predetermined time of day, said control means activates said heating means at a set time and checks the increase in temperature of the water and, in the case in which it is too fast, it interrupts the power supply to the electrical heating means and calculates the waiting time before starting to heat again.

25. Cooking device and procedure as described, represented in the attached figures and claimed.